

### **Work being performed under the Addendum-III**

The collaborative work under this Addendum to the MOU will develop on two parallel paths.

1) Fermilab and the Indian Institutions will jointly work on the design, development, prototyping and construction of the elliptical cavity and cryomodule components for HIPA. Indian Institutions would take a lead in this effort.

2) Fermilab and Indian Institutions will jointly work on the design and construction of the SRF infrastructure that would be needed for HIPA projects at Fermilab and at Indian Institutions.

In particular, the goal for the Indian Institutions is to design, prototype and fabricate a elliptical (650 and 1300 MHz) elliptical cavity and associated cryomodule components that would be shipped to and assembled at Fermilab. Indian Institutions are participating in the design of the HIPA at Fermilab. IIFC is developing SRF infrastructure for cavity fabrication, processing and testing, cryomodule fabrication and testing. Fermilab is supporting the Indian Institutions in gaining SRF expertise, developing accelerator components and SRF infrastructure at Indian laboratories. While doing so Indian Institutions would fabricate and deliver hardware as “In-Kind” contributions to Fermilab program.